

FIG. 1A

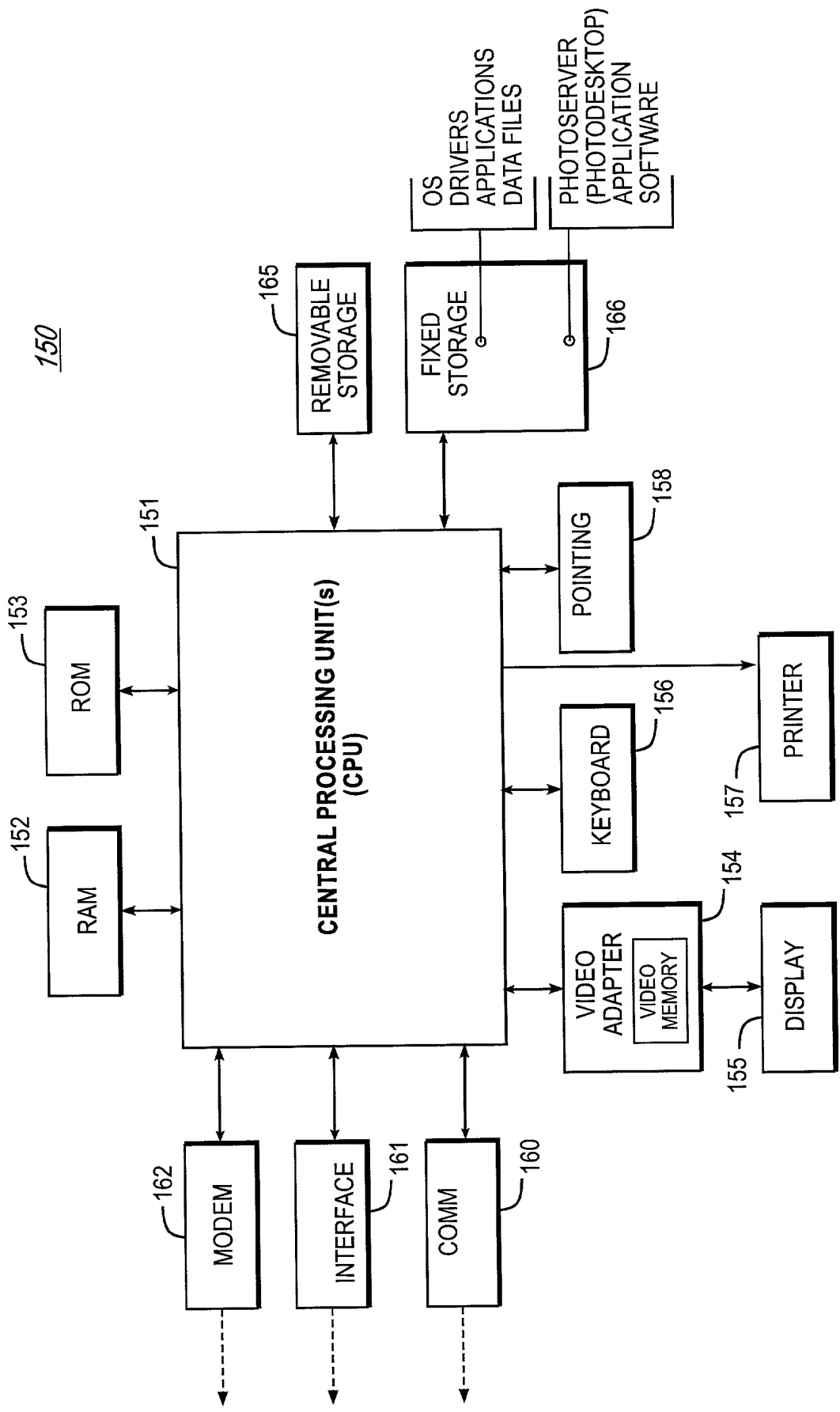


FIG. 1B

200

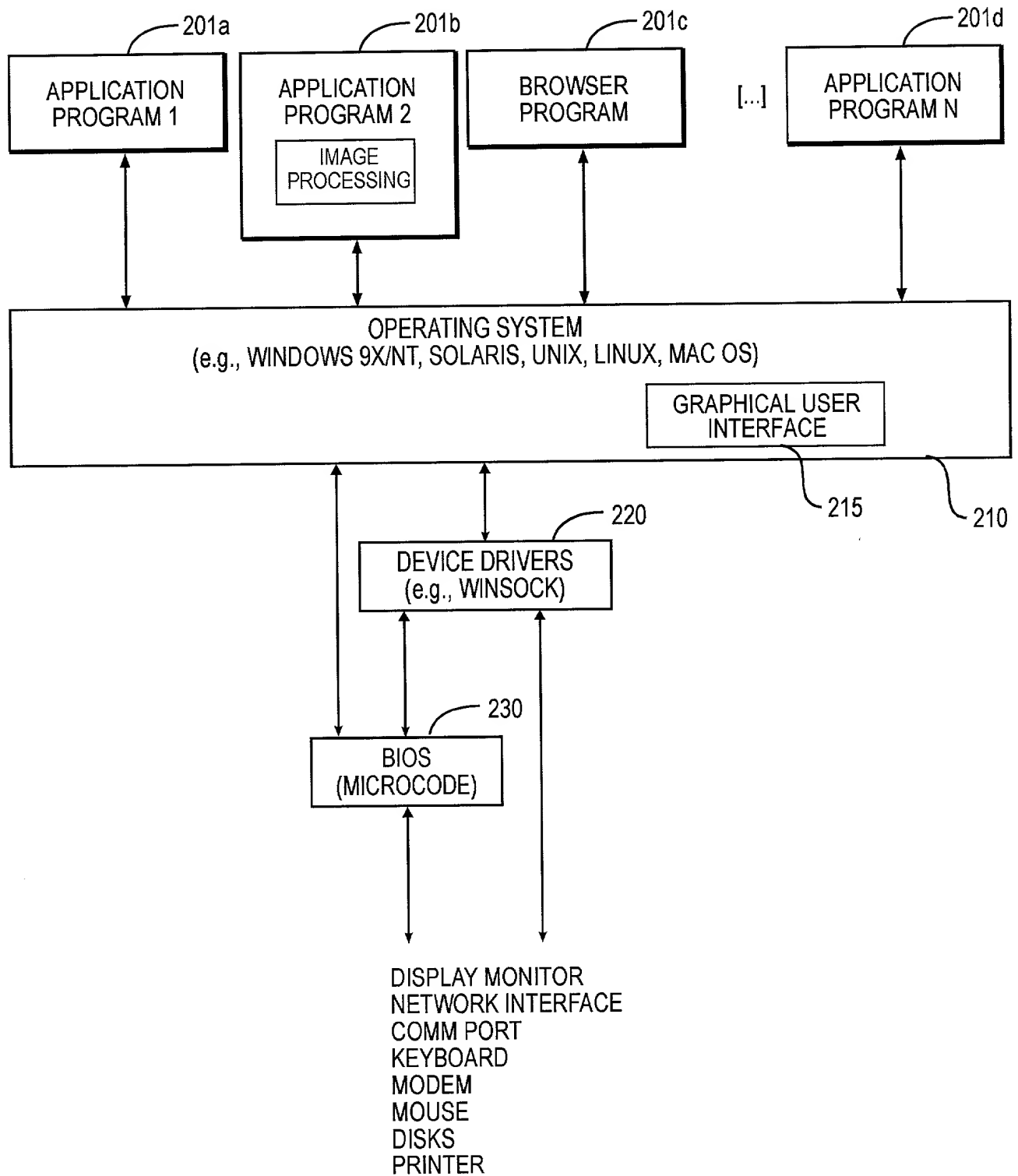


FIG. 2

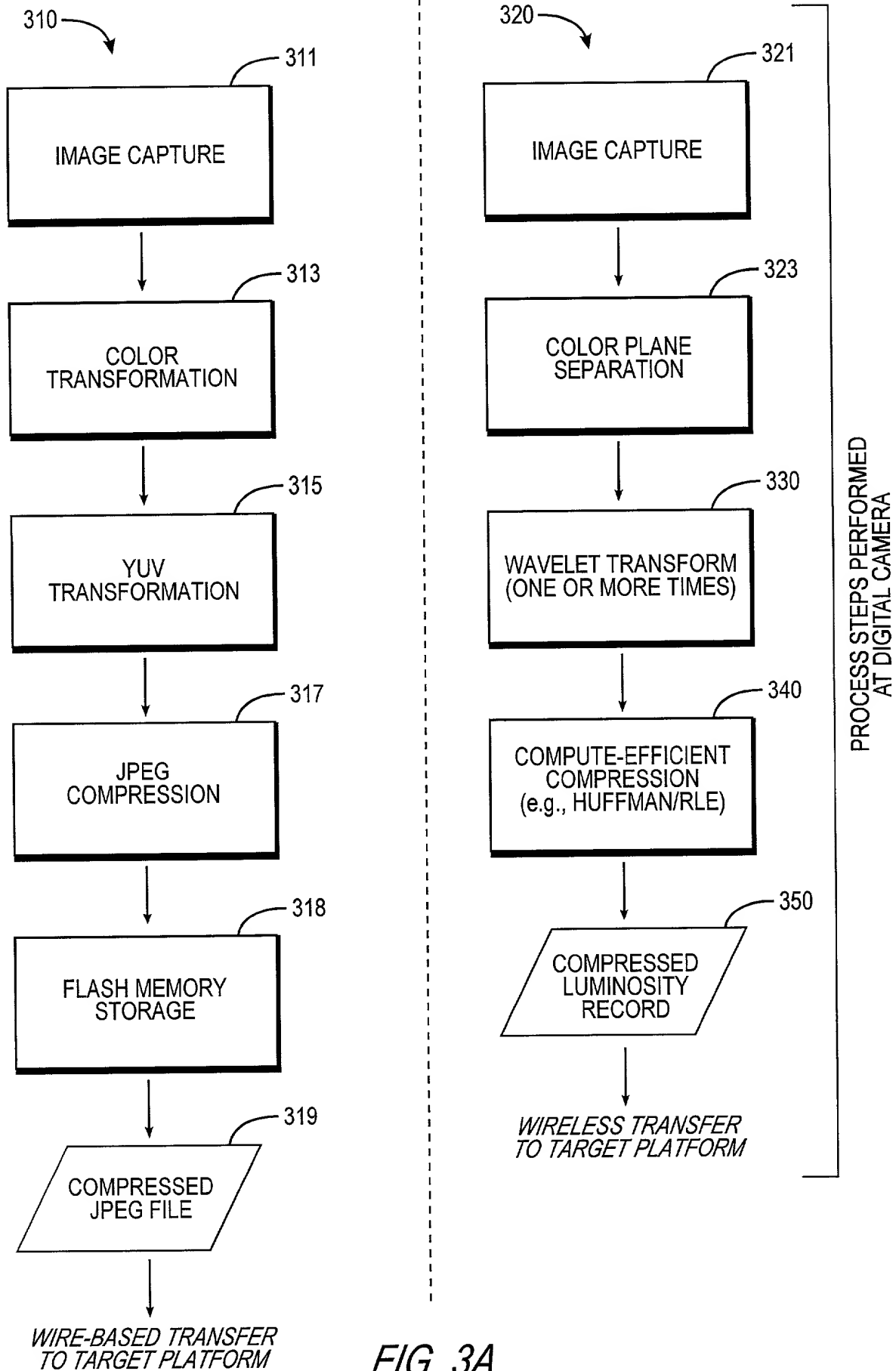


FIG. 3A

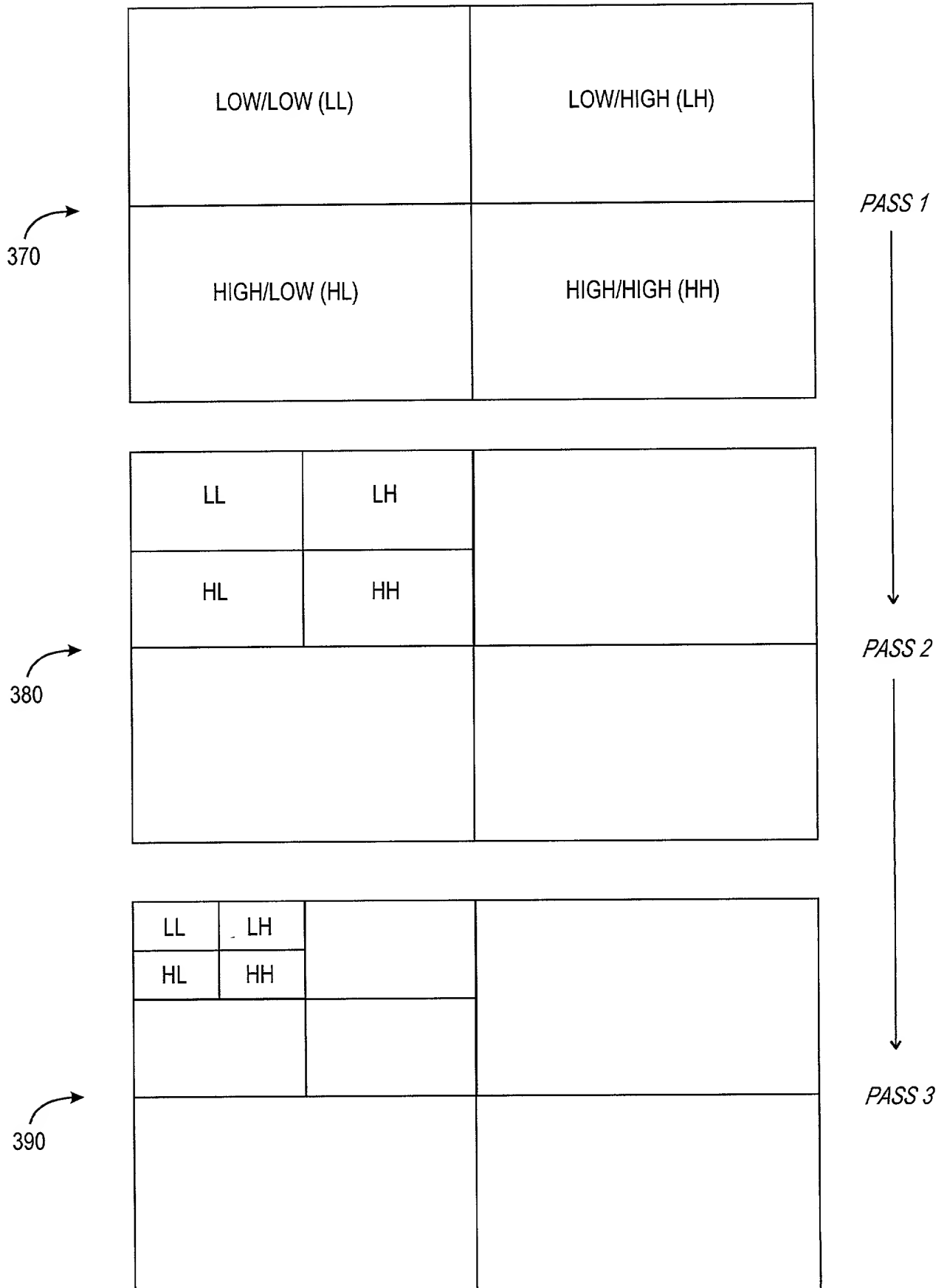


FIG. 3B



FIG. 3C

JPEG
COMPRESSION
(48:1)

JCS903 U.S. PRO

09/779769



FIG. 3D



FIG. 3E

WAVELET
TRANSFORM
COMPRESSION
(48:1)



JPEG
COMPRESSION
(32:1)

FIG. 3F



WAVELET
TRANSFORM
COMPRESSION
(32:1)

FIG. 3G



JPEG
COMPRESSION
(16:1)



FIG. 3H



WAVELET
TRANSFORM
COMPRESSION
(16:1)

FIG. 3I

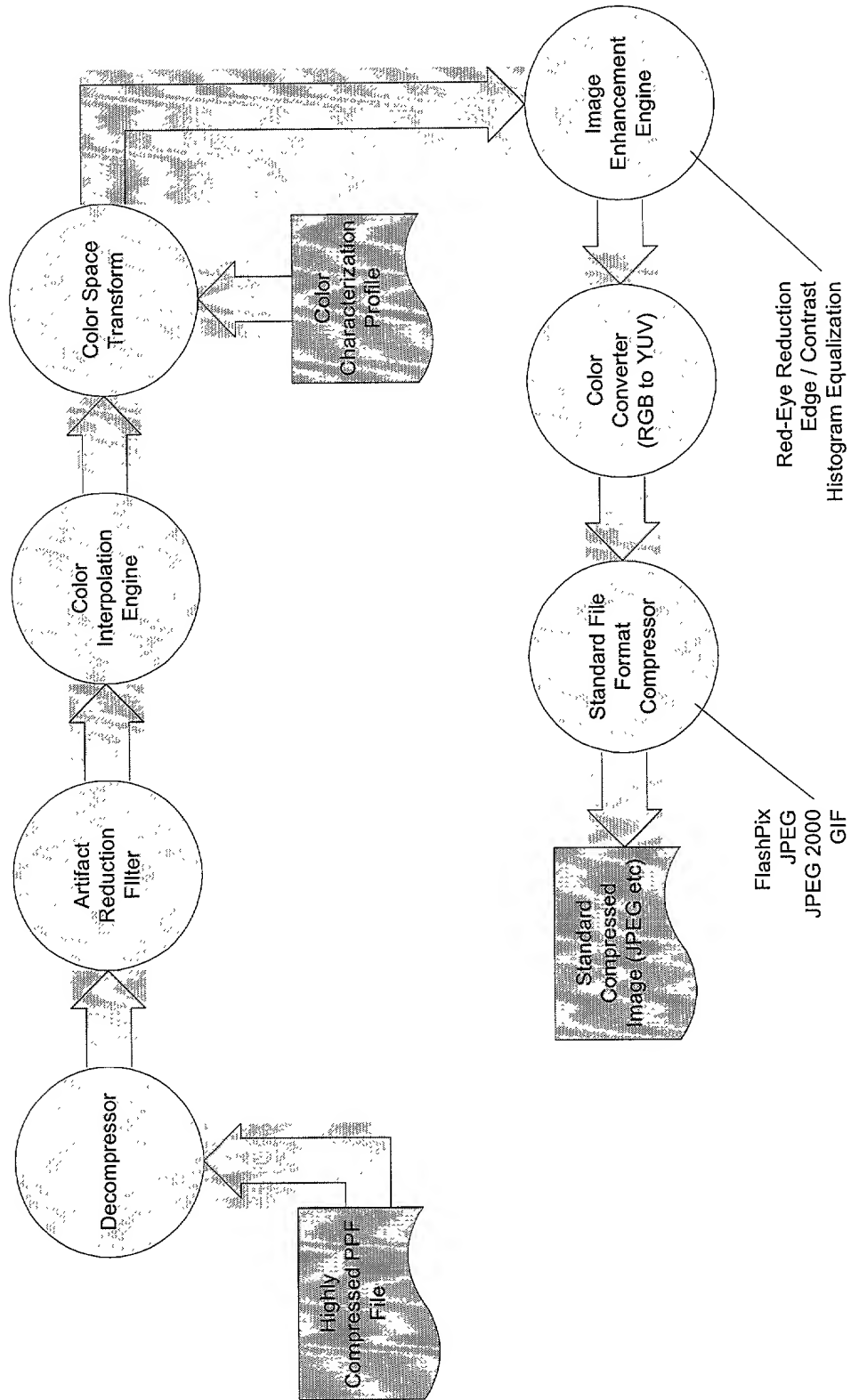


FIG. 4A

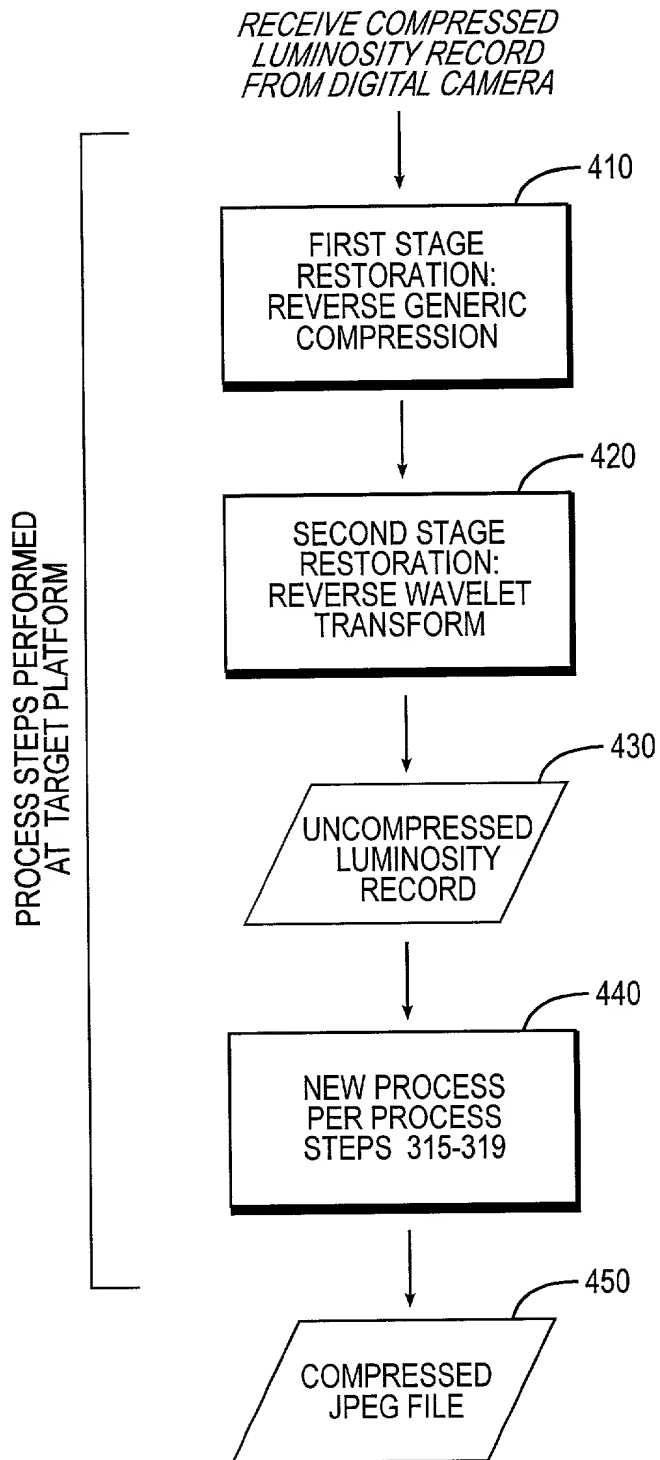


FIG. 4B

REPEATED BAYER COLOR MOSAIC

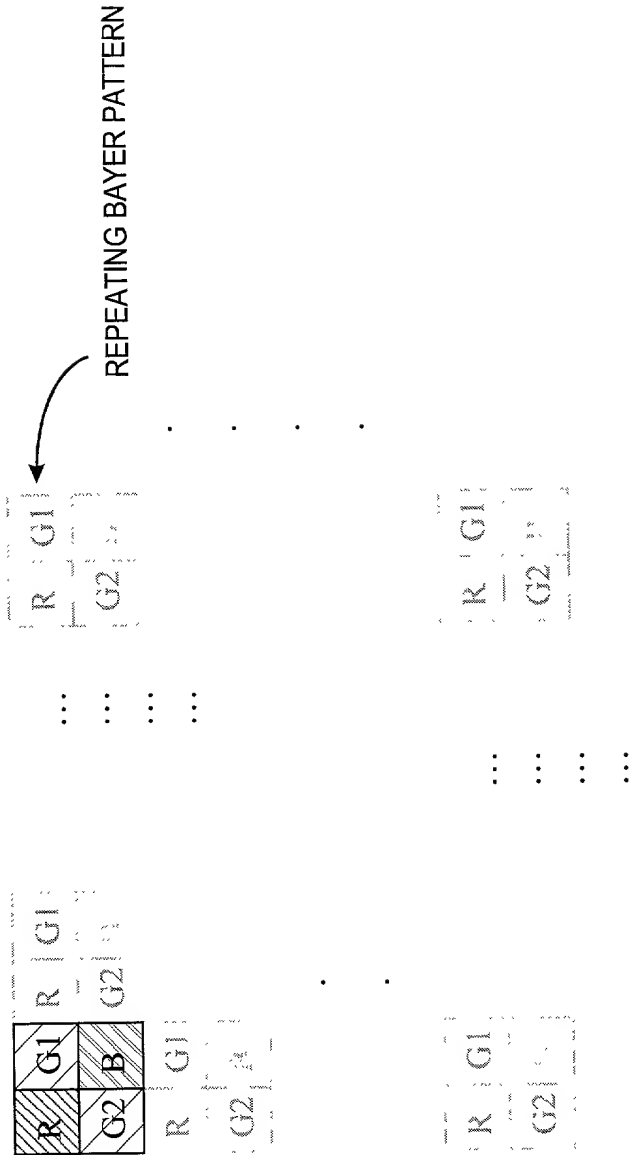


FIG. 5

UV Color Space for Y=1.0 (maximum)

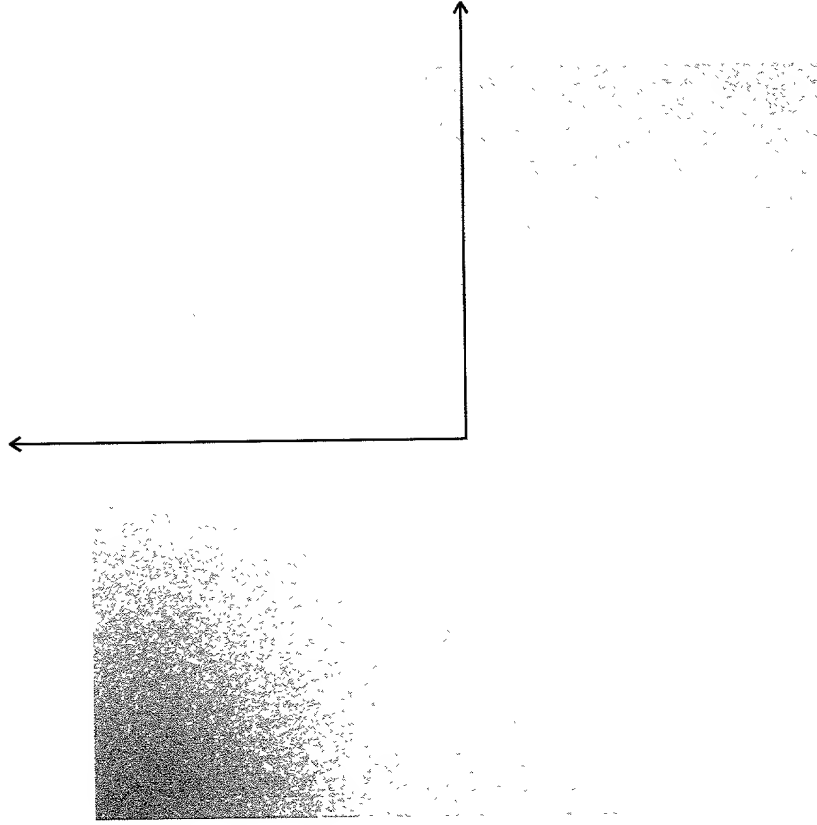


FIG. 6A

ONE CELL OF THE BAYER PATTERN (HATCHED)
AND SOME SURROUNDING PIXELS

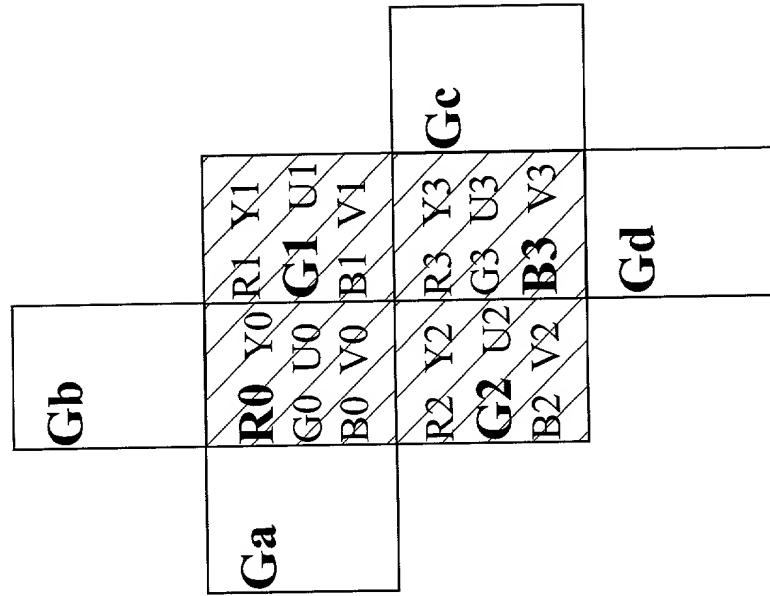


FIG. 6B

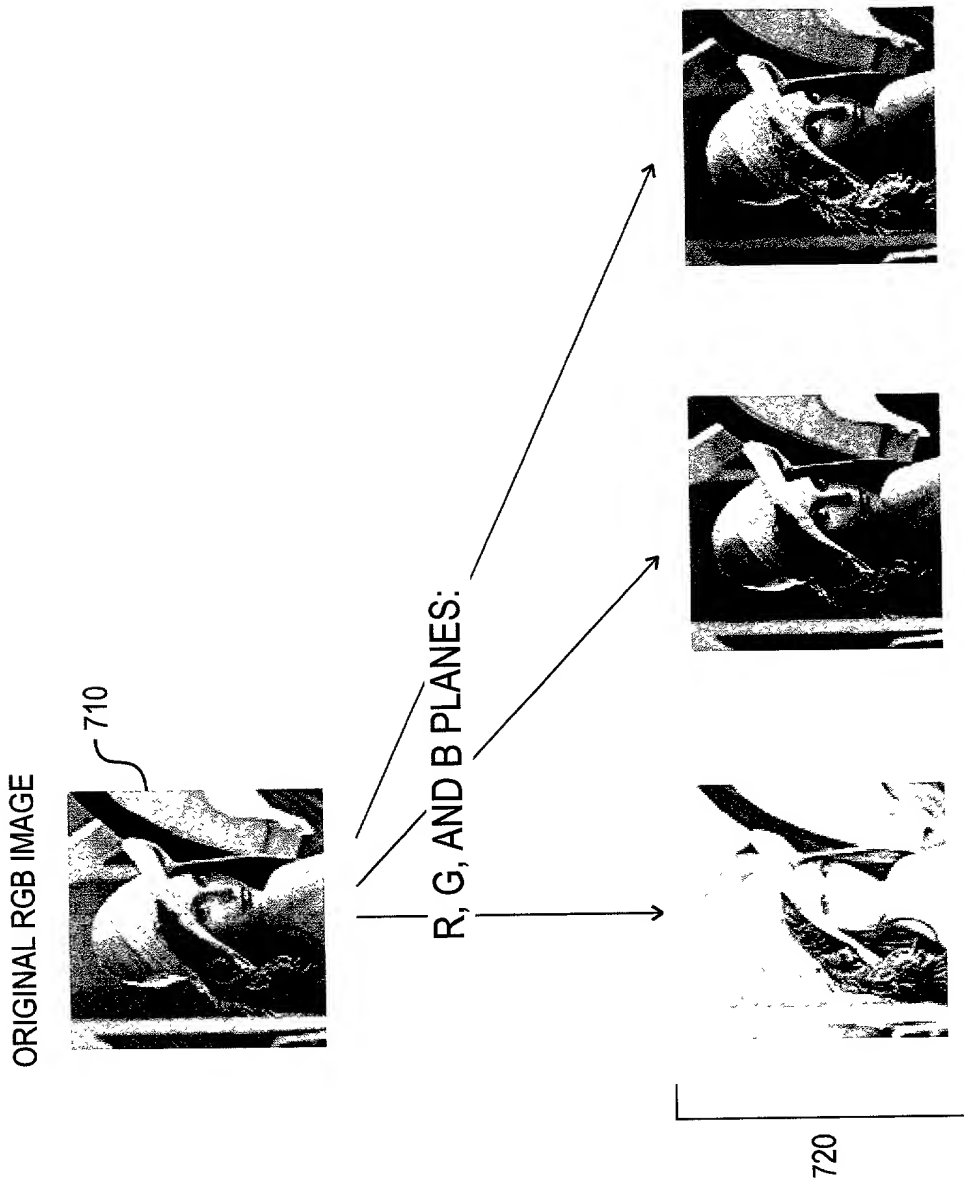
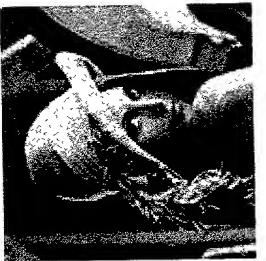


FIG. 7A

R, G, AND B PLANES:

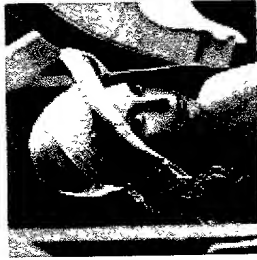


Y, U, and V PLANES:



730

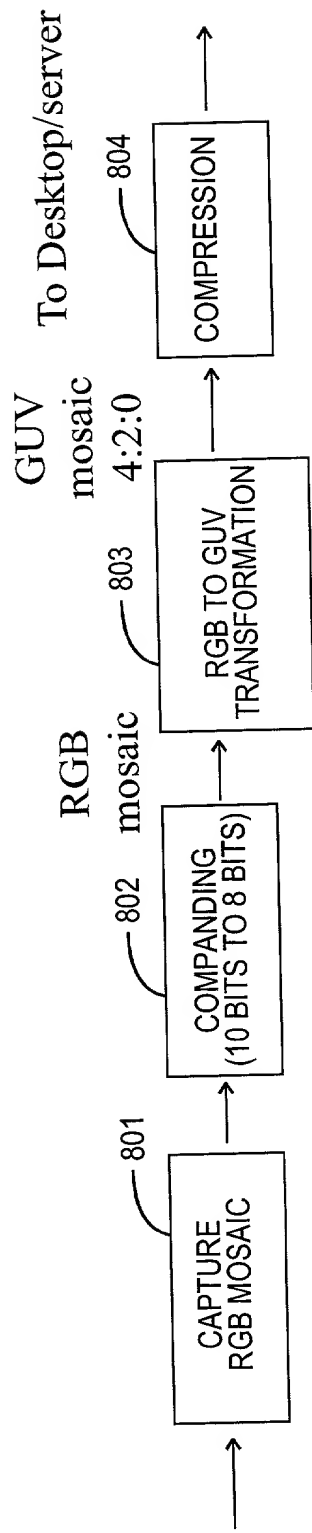
G, U, and V PLANES:



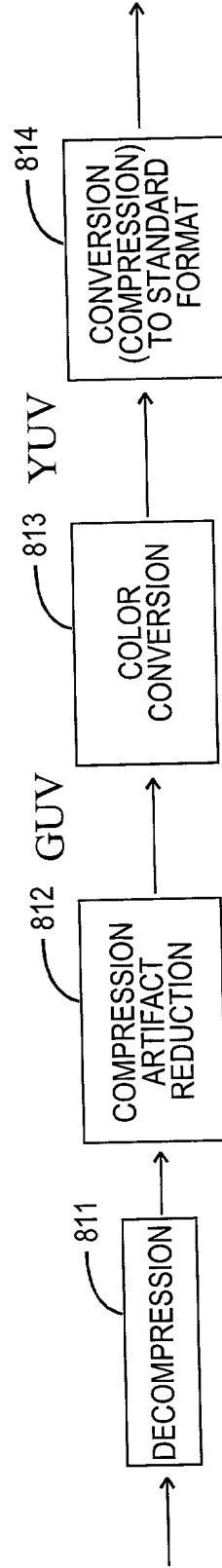
740

(U and V planes in GUV are approximations of true U and V)

FIG. 7B



(a) Imaging Device



(b) Server/desktop

FIG. 8

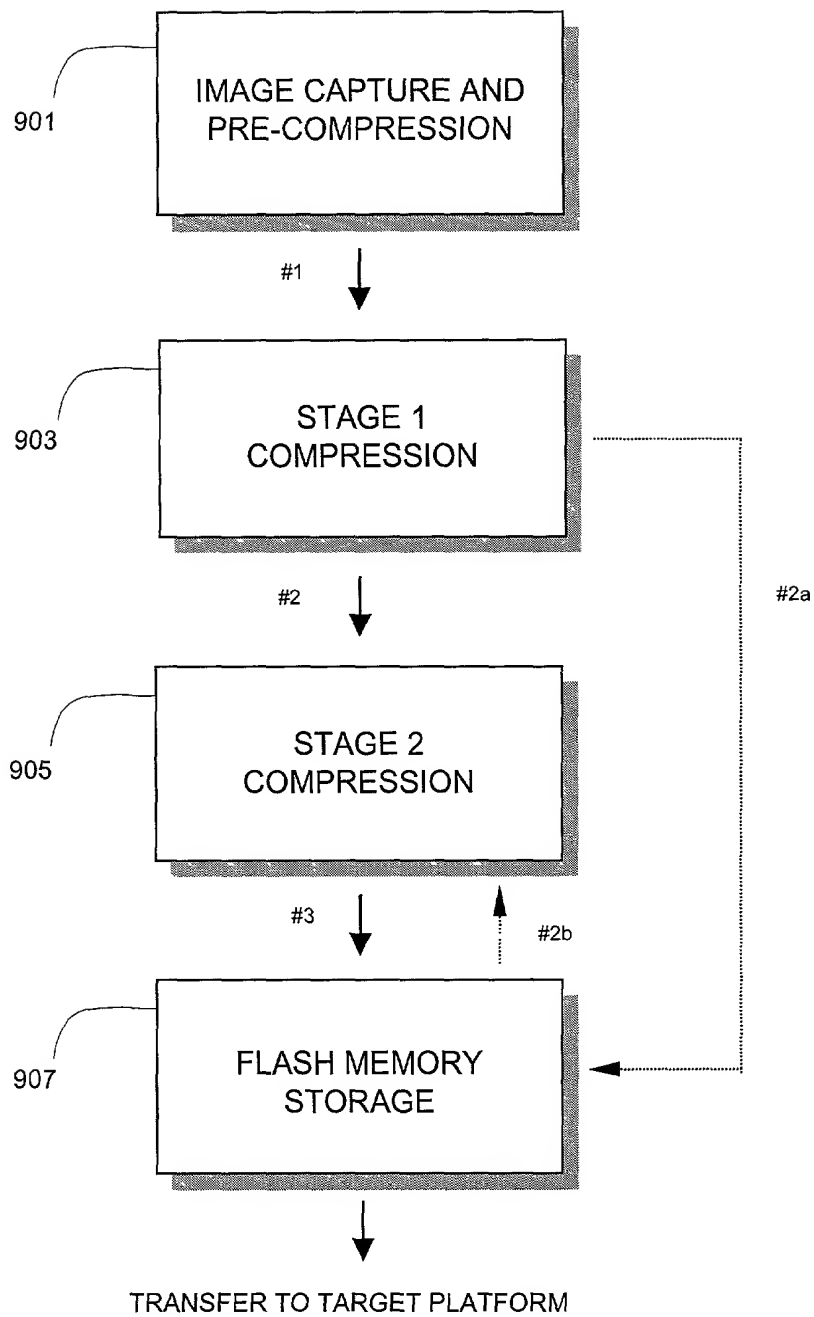


FIG. 9A

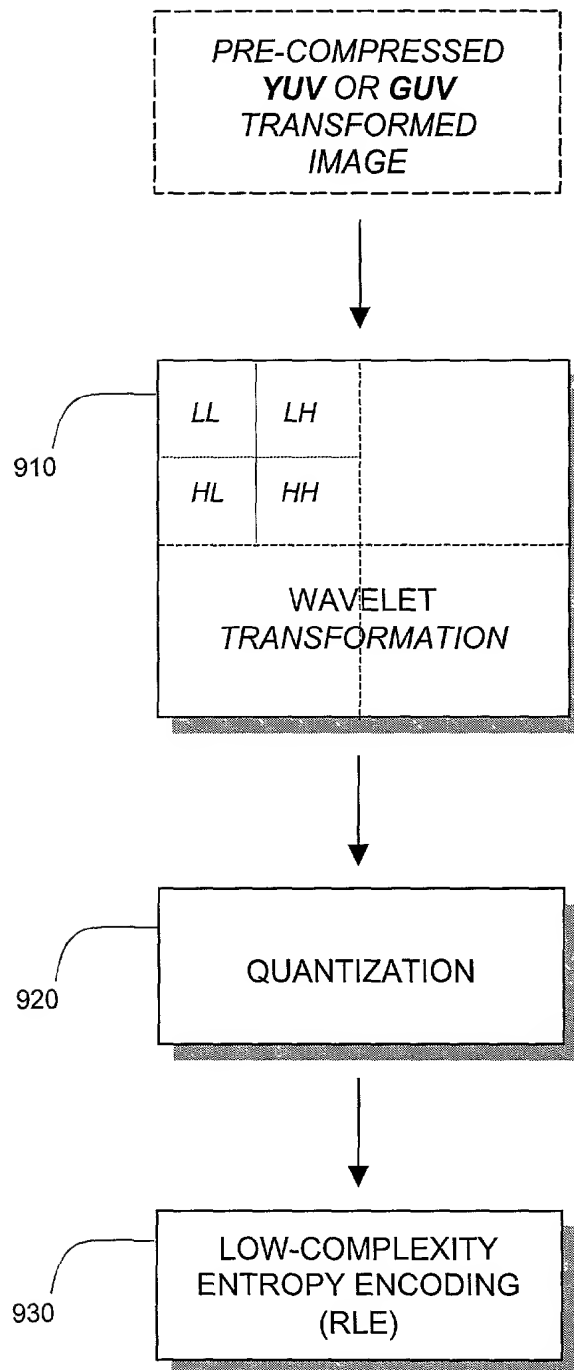


FIG. 9B

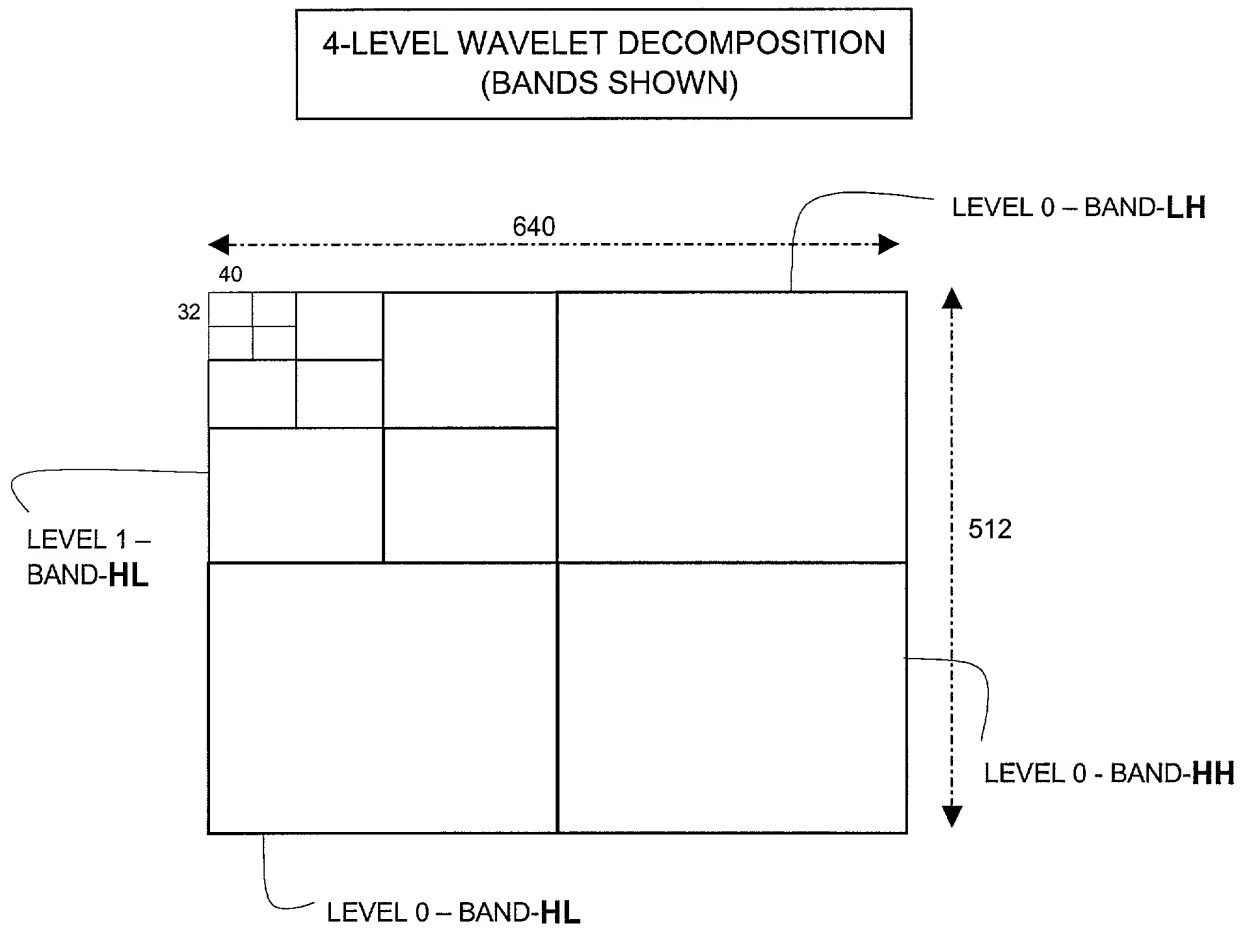


FIG. 10A

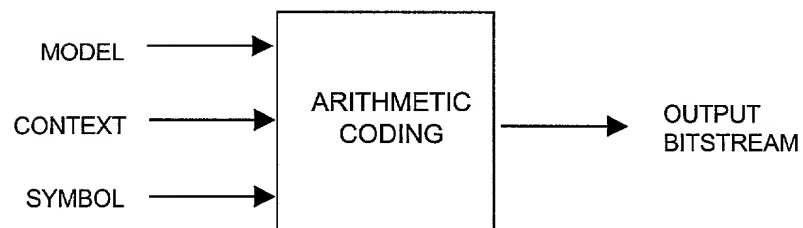


FIG. 10B

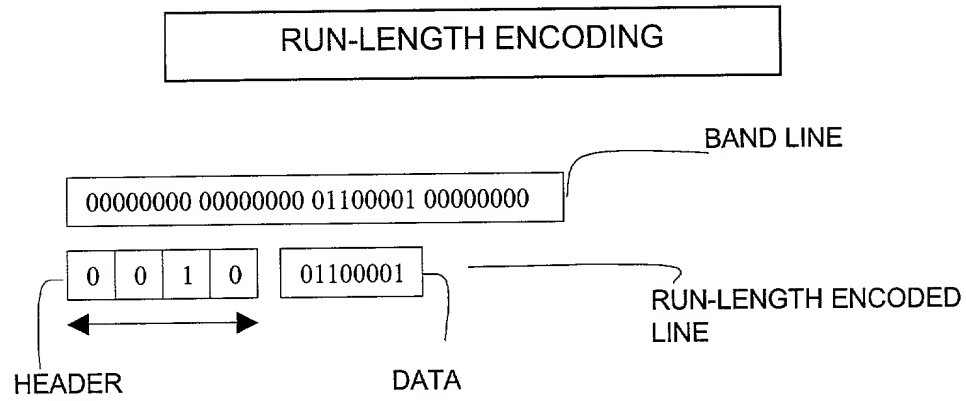


FIG. 10C